S. Ponnaluri

ENTERED

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RAW SEQUENCE LISTING                  DATE: 03/12/2002
PATENT APPLICATION:  US/09/510,378    TIME: 14:46:57

Input Set : N:\Crf3\RULE60\09510378.raw
Output Set: N:\CRF3\03122002\I510378.raw

          SEQUENCE LISTING
 3 (1) GENERAL INFORMATION:
 5      (i) APPLICANT: Cronin, Maureen T.
 6                     Miyada, Charles Garrett
 7                     Hubbell, Earl A.
 8                     Chee, Mark
 9                     Fodor, Stephen P.A.
10                     Huang, Xiaohua C.
11                     Lipshutz, Robert J.
12                     Lobban, Peter E.
13                     Morris, Macdonald S.
14                     Sheldon, Edward L.
16     (ii) TITLE OF INVENTION: Arrays of Nucleic Acid Probes for
17                              Detecting Cystic Fibrosis
19    (iii) NUMBER OF SEQUENCES: 250
21     (iv) CORRESPONDENCE ADDRESS:
22          (A) ADDRESSEE: Townsend and Townsend and Crew LLP
23          (B) STREET: Two Embarcadero Center, 8th Floor
24          (C) CITY: San Francisco
25          (D) STATE: California
26          (E) COUNTRY: USA
27          (F) ZIP: 94111
29      (v) COMPUTER READABLE FORM:
30          (A) MEDIUM TYPE: Floppy disk
31          (B) COMPUTER: IBM PC compatible
32          (C) OPERATING SYSTEM: PC-DOS/MS-DOS
33          (D) SOFTWARE: PatentIn Release #1.0, Version #1.25
35     (vi) CURRENT APPLICATION DATA:
C--> 36      (A) APPLICATION NUMBER: US/09/510,378
C--> 37      (B) FILING DATE: 22-Feb-2000
38          (C) CLASSIFICATION:
56    (vii) PRIOR APPLICATION DATA:
41          (A) APPLICATION NUMBER: 08/544,381
42          (B) FILING DATE:
45          (A) APPLICATION NUMBER: US 08/510,521
46          (B) FILING DATE: 02-AUG-1995
49          (A) APPLICATION NUMBER: PCT/US94/12305
50          (B) FILING DATE: 26-OCT-1994
53          (A) APPLICATION NUMBER: US 08/284,064
54          (B) FILING DATE: 02-AUG-1994
57          (A) APPLICATION NUMBER: US 08/143,312
58          (B) FILING DATE: 26-OCT-1993
60   (viii) ATTORNEY/AGENT INFORMATION:
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RAW SEQUENCE LISTING   DATE: 03/12/2002
PATENT APPLICATION: US/09/510,378 TIME: 14:46:57

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Output Set: N:\CRF3\03122002\I510378.raw

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61              (A) NAME: Liebeschuetz, Joe
62              (B) REGISTRATION NUMBER: 37,505
63              (C) REFERENCE/DOCKET NUMBER: 018547-004130US
65        (ix) TELECOMMUNICATION INFORMATION:
66              (A) TELEPHONE: 415-576-0200
67              (B) TELEFAX: 415-576-0300
69  (2) INFORMATION FOR SEQ ID NO: 1:
71        (i) SEQUENCE CHARACTERISTICS:
72              (A) LENGTH: 18 base pairs
73              (B) TYPE: nucleic acid
74              (C) STRANDEDNESS: single
75              (D) TOPOLOGY: linear
W--> 77   (ii) MOLECULE TYPE: DNA (oligonucleotide)
81        (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:
83  TAACCACTCA CGGGAGCA                                          18
85  (2) INFORMATION FOR SEQ ID NO: 2:
87        (i) SEQUENCE CHARACTERISTICS:
88              (A) LENGTH: 14 base pairs
89              (B) TYPE: nucleic acid
90              (C) STRANDEDNESS: single
91              (D) TOPOLOGY: linear
W--> 93   (ii) MOLECULE TYPE: DNA (oligonucleotide)
97        (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:
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101 (2) INFORMATION FOR SEQ ID NO: 3:
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104             (A) LENGTH: 14 base pairs
105             (B) TYPE: nucleic acid
106             (C) STRANDEDNESS: single
107             (D) TOPOLOGY: linear
W--> 109  (ii) MOLECULE TYPE: DNA (oligonucleotide)
113       (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:
115 ATTGGAGAGT GCCC                                              14
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119       (i) SEQUENCE CHARACTERISTICS:
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121             (B) TYPE: nucleic acid
122             (C) STRANDEDNESS: single
123             (D) TOPOLOGY: linear
W--> 125  (ii) MOLECULE TYPE: DNA (oligonucleotide)
129       (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4:
131 ATTGGCGAGT GCCC                                              14
133 (2) INFORMATION FOR SEQ ID NO: 5:
135       (i) SEQUENCE CHARACTERISTICS:
136             (A) LENGTH: 14 base pairs
137             (B) TYPE: nucleic acid
138             (C) STRANDEDNESS: single
139             (D) TOPOLOGY: linear
W--> 141  (ii) MOLECULE TYPE: DNA (oligonucleotide)
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                RAW SEQUENCE LISTING            DATE: 03/12/2002
                PATENT APPLICATION:  US/09/510,378    TIME: 14:46:57

                Input Set : N:\Crf3\RULE60\09510378.raw
                Output Set: N:\CRF3\03122002\I510378.raw

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     153          (B) TYPE: nucleic acid
     154          (C) STRANDEDNESS: single
     155          (D) TOPOLOGY: linear
W--> 157      (ii) MOLECULE TYPE: DNA (oligonucleotide)
     161      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6:
     163  ATTGGGGAGT GCCC                                              14
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     167      (i) SEQUENCE CHARACTERISTICS:
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     169          (B) TYPE: nucleic acid
     170          (C) STRANDEDNESS: single
     171          (D) TOPOLOGY: linear
W--> 173      (ii) MOLECULE TYPE: DNA (oligonucleotide)
     177      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7:
     179  ATTGGTGAGT GCCC                                              14
     181  (2) INFORMATION FOR SEQ ID NO: 8:
     183      (i) SEQUENCE CHARACTERISTICS:
     184          (A) LENGTH: 14 base pairs
     185          (B) TYPE: nucleic acid
     186          (C) STRANDEDNESS: single
     187          (D) TOPOLOGY: linear
W--> 189      (ii) MOLECULE TYPE: DNA (oligonucleotide)
     193      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 8:
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     201          (B) TYPE: nucleic acid
     202          (C) STRANDEDNESS: single
     203          (D) TOPOLOGY: linear
W--> 205      (ii) MOLECULE TYPE: DNA (oligonucleotide)
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     216          (A) LENGTH: 18 base pairs
     217          (B) TYPE: nucleic acid
     218          (C) STRANDEDNESS: single
     219          (D) TOPOLOGY: linear
W--> 221      (ii) MOLECULE TYPE: DNA (oligonucleotide)
     225      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 10:
     227  TAACCGCTCA CGGGAGCA                                          18
     229  (2) INFORMATION FOR SEQ ID NO: 11:
     231      (i) SEQUENCE CHARACTERISTICS:
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RAW SEQUENCE LISTING   DATE: 03/12/2002
PATENT APPLICATION: US/09/510,378   TIME: 14:46:57

Input Set : N:\Crf3\RULE60\09510378.raw
Output Set: N:\CRF3\03122002\I510378.raw

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        233           (B) TYPE: nucleic acid
        234           (C) STRANDEDNESS: single
        235           (D) TOPOLOGY: linear
W--> 237       (ii) MOLECULE TYPE: DNA (oligonucleotide)
        241       (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 11:
        243 TAACCTCTCA CGGGAGCA                                      18
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        247       (i) SEQUENCE CHARACTERISTICS:
        248           (A) LENGTH: 22 base pairs
        249           (B) TYPE: nucleic acid
        250           (C) STRANDEDNESS: single
        251           (D) TOPOLOGY: linear
W--> 253       (ii) MOLECULE TYPE: DNA (oligonucleotide)
        257       (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 12:
        259 ATTAACCACT CACGGGAGCT CT                                 22
        261 (2) INFORMATION FOR SEQ ID NO: 13:
        263       (i) SEQUENCE CHARACTERISTICS:
        264           (A) LENGTH: 13 base pairs
        265           (B) TYPE: nucleic acid
        266           (C) STRANDEDNESS: single
        267           (D) TOPOLOGY: linear
W--> 269       (ii) MOLECULE TYPE: DNA (oligonucleotide)
        273       (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 13:
        275 TGGTGNKYGC CCT                                           13
        277 (2) INFORMATION FOR SEQ ID NO: 14:
        279       (i) SEQUENCE CHARACTERISTICS:
        280           (A) LENGTH: 13 base pairs
        281           (B) TYPE: nucleic acid
        282           (C) STRANDEDNESS: single
        283           (D) TOPOLOGY: linear
W--> 285       (ii) MOLECULE TYPE: DNA (oligonucleotide)
        289       (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 14:
        291 TGGTGAGCGC CCT                                           13
        293 (2) INFORMATION FOR SEQ ID NO: 15:
        295       (i) SEQUENCE CHARACTERISTICS:
        296           (A) LENGTH: 13 base pairs
        297           (B) TYPE: nucleic acid
        298           (C) STRANDEDNESS: single
        299           (D) TOPOLOGY: linear
W--> 301       (ii) MOLECULE TYPE: DNA (oligonucleotide)
        305       (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 15:
        307 TGGTGCGCGC CCT                                           13
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        311       (i) SEQUENCE CHARACTERISTICS:
        312           (A) LENGTH: 13 base pairs
        313           (B) TYPE: nucleic acid
        314           (C) STRANDEDNESS: single
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RAW SEQUENCE LISTING   DATE: 03/12/2002
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            Input Set : N:\Crf3\RULE60\09510378.raw
            Output Set: N:\CRF3\03122002\I510378.raw

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W--> 317      (ii) MOLECULE TYPE: DNA (oligonucleotide)
     321      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 16:
     323 TGGTGGGCGC CCT                                                13
     325 (2) INFORMATION FOR SEQ ID NO: 17:
     327      (i) SEQUENCE CHARACTERISTICS:
     328           (A) LENGTH: 13 base pairs
     329           (B) TYPE: nucleic acid
     330           (C) STRANDEDNESS: single
     331           (D) TOPOLOGY: linear
W--> 333      (ii) MOLECULE TYPE: DNA (oligonucleotide)
     337      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 17:
     339 TGGTGTGCGC CCT                                                13
     341 (2) INFORMATION FOR SEQ ID NO: 18:
     343      (i) SEQUENCE CHARACTERISTICS:
     344           (A) LENGTH: 13 base pairs
     345           (B) TYPE: nucleic acid
     346           (C) STRANDEDNESS: single
     347           (D) TOPOLOGY: linear
W--> 349      (ii) MOLECULE TYPE: DNA (oligonucleotide)
     353      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 18:
     355 TGGTGATCGC CCT                                                13
     357 (2) INFORMATION FOR SEQ ID NO: 19:
     359      (i) SEQUENCE CHARACTERISTICS:
     360           (A) LENGTH: 13 base pairs
     361           (B) TYPE: nucleic acid
     362           (C) STRANDEDNESS: single
     363           (D) TOPOLOGY: linear
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     369      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 19:
     371 TGGTGCTCGC CCT                                                13
     373 (2) INFORMATION FOR SEQ ID NO: 20:
     375      (i) SEQUENCE CHARACTERISTICS:
     376           (A) LENGTH: 13 base pairs
     377           (B) TYPE: nucleic acid
     378           (C) STRANDEDNESS: single
     379           (D) TOPOLOGY: linear
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     385      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 20:
     387 TGGTGGTCGC CCT                                                13
     389 (2) INFORMATION FOR SEQ ID NO: 21:
     391      (i) SEQUENCE CHARACTERISTICS:
     392           (A) LENGTH: 13 base pairs
     393           (B) TYPE: nucleic acid
     394           (C) STRANDEDNESS: single
     395           (D) TOPOLOGY: linear
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     401      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 21:
     403 TGGTGTTCGC CCT                                                13
     405 (2) INFORMATION FOR SEQ ID NO: 22:
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VERIFICATION SUMMARY　　　　　　　　DATE: 03/12/2002
PATENT APPLICATION: **US/09/510,378**　　　TIME: 14:46:58

Input Set : **N:\Crf3\RULE60\09510378.raw**
Output Set: **N:\CRF3\03122002\I510378.raw**

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VERIFICATION SUMMARY   DATE: 03/12/2002
PATENT APPLICATION: US/09/510,378   TIME: 14:46:58

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